



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

Douglas W. Domenech
Secretary of Natural Resources

13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800 Fax (703) 583-3821
www.deq.virginia.gov

David K. Paylor
Director

Thomas A. Faha
Regional Director

August 28, 2013

Virginia Concrete
PO Box 6250
Springfield, VA 22150

ATTN: Tom Foley

RE: Coverage under the General VPDES Permit for Concrete Products Facilities

Virginia Concrete – Springfield VAG110009	Virginia Concrete – Lorton VAG110085
Virginia Concrete – Falls Church VAG110010	Virginia Concrete – Shirlington VAG110087
Virginia Concrete – Fairfax Station VAG110011	Virginia Concrete – Sterling VAG110088
Virginia Concrete – Stafford VAG110029	Virginia Concrete – Chantilly VAG110089
Virginia Concrete – Newington Plant 1 VAG110046	Virginia Concrete – Leesburg VAG110091
Virginia Concrete – Centreville VAG110063	Virginia Concrete – Dumfries VAG110092
Virginia Concrete – Newington 2 VAG110069	Virginia Concrete – New Post VAG110098
Virginia Concrete – Spotsylvania VAG110079	Virginia Concrete – Gainesville VAG110100
Virginia Concrete – Woodbridge VAG110083	Virginia Concrete – Purcellville VAG110121
Virginia Concrete – Sterling VAG110084	

Dear Mr. Foley:

We have reviewed your Registration Statements received on June 24, 2013, and have determined that activities of the concrete products facility identified in the Registration Statements are hereby covered under the referenced general VPDES permit. Your coverage under this general permit becomes effective on October 1, 2013 or the date of this letter, whichever is later. The enclosed copies of the general permit contain the effluent limitations, monitoring requirements and other conditions of coverage.

The Discharge Monitoring Reports (DMRs) for your process wastewater and stormwater associated with an industrial activity is included with each of the permits. The DMRs specify the applicable effluent limitations, monitoring requirements and monitoring frequency (i.e., quarterly or yearly) contained in the permit. A DMR is to be completed for each permitted outfall and you will be responsible for obtaining additional copies of the DMR. The DMR is due on the tenth of the month following monitoring. For quarterly monitoring, the DMR should be submitted by the tenth of January, April, July and October. For yearly monitoring, the DMR should be submitted by the tenth of January. In accordance with the general permit, you are required to submit the DMR to:

**Virginia Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge VA 22193**

Part I B 9 of the general permit requires that you develop and maintain an Operation and Maintenance (O&M) Manual for the permitted facility. This part of the permit requires that you develop or review and update an O&M Manual within 180 days of permit coverage and operate the treatment works in accordance with the O&M manual. If there is an existing manual, that manual shall continue to be implemented until the manual, if required, is reviewed and updated. Please see part I B 9 of your permit for O&M Manual minimum requirements.

This general permit constitutes coverage of your storm water discharges as required by the storm water regulations for your industry. Part II of the general permit pertains to these storm water discharges. This part of permit requires that you review and modify, as appropriate, the existing Storm Water Pollution Prevention Plan by January 1, 2014. The existing plan shall continue to be implemented until a new plan, if required, is updated and implemented.

The general permit will expire on September 30, 2018. The conditions of the permit require that you submit a new registration statement at least 90 days prior to that date if you wish continued coverage under the general permit, unless permission is granted to submit a new registration statement on a later date.

Please contact me at (703) 583-3834 or Alison.Thompson@deq.virginia.gov if you have questions about the permit.

Sincerely,

A handwritten signature in black ink, appearing to read "Alison Thompson", with a long, sweeping horizontal line extending to the right.

Alison Thompson
Water Permits Technical Reviewer

Enclosures

PERMITTEE NAME/ADDRESS(INCLUDE
FACILITY NAME/LOCATION IF DIFFERENT)

NAME Virginia Concrete Company Inc - Newington Plant 1
ADDRESS PO Box 6250
Springfield VA 22150

FACILITY 8413 Terminal Rd
LOCATION Newington VA 22122

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
CONCRETE PRODUCTS FACILITIES
DISCHARGE MONITORING REPORT(DMR)

VAG110046			001			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Northern Regional Office
13901 Crown Court
Woodbridge VA 22193

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTED				*****	*****	*****				
	REQUIREMENT	NL	NL	MGD	*****	*****	*****			1/3M	EST
002 PH	REPORTED	*****	*****			*****					
	REQUIREMENT	*****	*****		6.0	*****	9.0	SU		1/3M	GRAB
004 TSS	REPORTED	*****	*****		*****						
	REQUIREMENT	*****	*****		*****	30	60	MG/L		1/3M	GRAB

DEQ Comments:

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			
				TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY

This report is required by your VPDES permit and by law. (See, e.g., the Code of Virginia of 1950 §62.1-44.5 and 9 VAC 25-31-50.) Failure to report or failure to report truthfully can result in civil penalties of \$32,500 per violation, per day and felony prosecutions which can carry a 15 year term.

DISCHARGE MONITORING REPORT (DMR) - GENERAL INSTRUCTIONS

1. Complete this form in permanent ink or indelible pencil. The use of 'correction fluid/tape' is not allowed.
2. Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period".
3. For those parameters where the "permit requirement" spaces have a requirement or limitation, provide data in the "reported" spaces in accordance with your permit.
4. Enter the average and maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading" $\text{KG/DAY} = \text{Concentration (mg/L)} \times \text{Flow (MGD)} \times 3.785$ $\text{G/D (Grams/Day)} = \text{Concentration (mg/L)} \times \text{Flow (MGD)} \times 3785$.
5. Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration".
6. For all parameters enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" space in the column marked "No. Ex." (Number of Exceedances). If none, enter "0". Do NOT include monthly average violations in this field. Include any Maximum 7-Day Average and Maximum Weekly Average violations in this field. Permittees with continuous pH, or temperature monitoring requirements should consult the permit for what constitutes an exceedance and report accordingly.
7. You are required to sample (at a minimum) according to the Sample Frequencies and Sample Types specified in your permit.
8. Enter the actual frequency of analysis for each parameter (number of times per day, week, month, etc.) in the "reported" space in the column marked "Frequency of Analysis".
9. Enter the actual type of sample (Grab, 8HC, 24HC, etc) collected for each parameter in the "reported" space in the column marked "Sample Type".
10. Enter additional required data or comments in the space marked "additional permit requirements or comments". If additional required data or comments are appended to the DMR, reference appended correspondence in this field.
11. The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator or if the operator in responsible charge of the facility is a licensed operator, the operator's signature and certificate number must be reported in the spaces provided.
12. The principal executive officer then reviews the form and must sign in the space provided and provide a telephone number where he/she can be reached. Every page of the DMR must have an original signature.
13. Send the completed form(s) with original signatures to your Department of Environmental Quality Regional Office by the 10th of each month unless otherwise specified in the permit.
14. You are required to retain a copy of the report for your records.
15. Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each separate violation by date.
16. If you have any questions, contact the Department of Environmental Quality Regional Office listed on the DMR.

This report is required by your VPDES permit and by law. (See, e.g., the Code of Virginia of 1950 §62.1-44.5 and 9 VAC 25-31-50.) Failure to report or failure to report truthfully can result in civil penalties of \$32,500 per violation, per day and felony prosecutions which can carry a 15 year term.

DISCHARGE MONITORING REPORT - STORMWATER GENERAL INSTRUCTIONS

1. Complete this form in permanent ink or indelible pencil. The use of 'correction fluids/tape' is not allowed.
2. For those parameters where the "REQUIREMENT" spaces have a benchmark reporting requirement, provide data in the "REPORTED" spaces in accordance with your permit.
3. Enter maximum concentration and units in the "REPORTED" spaces in the appropriate column under the header of "Quantity or Concentration".
4. For those parameters where the "REQUIREMENT" spaces have a reporting requirement (flow) or benchmark concentration (TSS 100 mg/l and pH 6.0 - 9.0), provide data in the "REPORTED" spaces in accordance with your permit.
5. You are required to sample (at a minimum) according to the Sample Frequencies and Sample Types specified in your permit. If you sample more often than the Sample Frequency specified in your permit then all data must be used when completing the DMR.
6. Enter the actual type of sample (Grab, 8HC, 24HC, etc) collected for each parameter in the "REPORTED" space in the column marked "Sample Type".
7. Storm Event Information (i.e., a "measurable storm event" is a storm event that results in an actual discharge from the site, providing the interval from the preceding measurable Storm event is at least 72 hours):
 - a. Enter the date (Year/Month/Day) of the "measurable storm event"
 - b. Enter the duration (hours and minutes) of "measurable storm event"
 - c. Enter the rainfall total (inches) of the "measurable storm event"
 - d. Enter the number of days and hours from the preceding "measurable storm event"
8. The principal executive officer then reviews the form and must sign in the space provided and provide a telephone number where he/she can be reached. Enter the date (Year/Month/Day) the DMR was signed. Every page of the DMR must have an original signature and date.
9. Send the completed form(s) with original signatures to your Department of Environmental Quality Regional Office by the 10th of month following the monitoring period.
10. You are required to retain a copy of the report for your records.



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

General Permit No: VAG110046
Effective Date: October 1, 2013
Expiration Date: September 30, 2018

GENERAL PERMIT FOR CONCRETE PRODUCTS FACILITIES AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act, as amended, and pursuant to the State Water Control Law and regulations adopted pursuant thereto, owners of concrete products facilities are authorized to discharge to surface waters within the boundaries of the Commonwealth of Virginia, except those specifically named in board regulations which prohibit such discharges.

The authorized discharge shall be in accordance with this cover page, Part I-Effluent Limitations, Monitoring Requirements, and Special Conditions, Part II-Storm Water Management, and Part III-Conditions Applicable to All VPDES Permits, as set forth herein.

Part I
Effluent Limitations, Monitoring Requirements, and Special Conditions.

A. Effluent limitations and monitoring requirements.
1. Process wastewater.

During the period beginning with the permittee's coverage under this general permit and lasting until the permit's expiration date, the permittee is authorized to discharge process wastewater which may contain input from vehicle wash water, or vehicle or equipment degreasing activities, and may be commingled with noncontact cooling water, storm water associated with industrial activity, or both. Samples taken in compliance with the monitoring requirements specified below shall be taken at outfall(s) 001.

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS	
	Average	Maximum	Minimum	Frequency ⁽⁶⁾	Sample Type
Flow (MGD)	NL	NL	NA	1/3 Months	Estimate
Total Suspended Solids (mg/l)	30	60	NA	1/3 Months	Grab
pH (standard units)	NA	9.0 ⁽¹⁾	6.0 ⁽¹⁾	1/3 Months	Grab
Total Petroleum Hydrocarbons ⁽²⁾ (mg/l)	NA	15	NA	1/3 Months	Grab
Total Residual Chlorine ⁽³⁾ (mg/l)	0.016	0.016	NA	1/3 Months	Grab
Ammonia-N ⁽³⁾ (mg/l)	NA	NL	NA	1/3 Months	Grab
Temperature ⁽⁴⁾ (°C)	NA	⁽⁵⁾	NA	1/3 Months	Immersion Stabilization

NL = No limitation, monitoring required

NA = Not applicable

⁽¹⁾Where the Water Quality Standards (9VAC25-260) establish alternate standards for pH in the waters receiving the discharge, those standards shall be the maximum and minimum effluent limitations.

⁽²⁾Total Petroleum Hydrocarbons limitation and monitoring are only required where a discharge contains process wastewater generated from the vehicle or equipment degreasing activities. Total Petroleum Hydrocarbons shall be analyzed using EPA SW-846 Method 8015 B (1996), 8015C (2000), 8015C (2007), 8015 D (2003) for diesel range organics or EPA 40 CFR Part 136.

⁽³⁾Chlorine limitation and monitoring are only required where the discharge contains cooling water that is chlorinated. Ammonia monitoring is only required where the discharge contains cooling water that is disinfected using chloramines.

⁽⁴⁾Temperature limitation and monitoring are only required where a discharge contains cooling water.

⁽⁵⁾The effluent temperature shall not exceed a maximum 32°C for discharges to nontidal coastal and piedmont waters, 31°C for mountain and upper piedmont waters, 21°C for put and take trout waters, or 20°C for natural trout waters. No maximum temperature limit applies to discharges to estuarine waters.

For estuarine waters, nontidal coastal and piedmont waters, mountain and upper piedmont waters, and put and take trout waters, the effluent shall not cause an increase in temperature of the receiving stream of more than 3°C above the natural water temperature. For natural trout waters, the temperature of the effluent shall not cause an increase of 1°C above natural water temperature. The effluent shall not cause the temperature in the receiving stream to change more than 2°C per hour, except in the case of natural trout waters where the hourly temperature change shall not exceed 0.5°C.

Natural temperature is defined as that temperature of a body of water (measured as the arithmetic average over one hour) due solely to natural conditions without the influence of any point-source discharge.

⁽⁶⁾1/3 months means one sample collected per calendar quarter with reports due to the DEQ regional office no later than the 10th day of April, July, October, and January.

B. Special conditions.

1. There shall be no discharge of floating solids or visible foam in other than trace amounts. There shall be no solids deposition or oil sheen from petroleum products in surface water as a result of the industrial activity in the vicinity of the outfall.
2. Except as expressly authorized by this permit, no product, materials, industrial wastes, or other wastes resulting from the purchase, sale, mining, extraction, transport, preparation, or storage of raw or intermediate materials, final product, byproduct or wastes, shall be handled, disposed of, or stored so as to permit a discharge of such product, materials, industrial wastes, or other wastes to surface waters.
3. Vehicles and equipment utilized during the industrial activity on a site must be operated and maintained in such a manner as to minimize the potential or actual point source pollution of surface waters. Fuels, lubricants, coolants, and hydraulic fluids, or any other petroleum products, shall not be disposed of by discharging on the ground or into surface waters. Spent fluids shall be disposed of in a manner so as not to enter the surface or ground waters of the state and in accordance with the applicable state and federal disposal regulations. Any spilled fluids shall be cleaned up and disposed of in a manner so as not to allow their entry into the surface or ground waters of the state.
4. All washdown and washout of trucks, mixers, transport buckets, forms or other equipment shall be conducted within designated washdown and washout areas. All washdown and washout water shall be collected for recycle or collected and treated to meet the limits in Part I A prior to discharge to the receiving stream.
5. Any waste concrete and dredged solids from the settling basins shall be managed within a designated area, and any wastewaters including storm water generated from these activities shall be collected for recycle or treated prior to discharge.
6. Wastewater should be reused or recycled whenever feasible.
7. No sewage discharges to surface waters are permitted under this general permit.
8. For geothermal or other system which discharges noncontact cooling water, the use of any chemical additives, except chlorine, without prior approval is prohibited under this general permit. Prior approval shall be obtained from the DEQ Regional Office before any changes are made to the chemical usage in the geothermal or other system. Requests for approval of chemical use shall be made in writing and shall include the following information:
 - a. The chemical additive to be employed and its purpose;
 - b. The proposed schedule and quantity of chemical usage, and the estimated concentration in the discharge;
 - c. The wastewater treatment or retention (if any) to be provided during the use of the additive; and
 - d. A (Material) Safety Data Sheet (SDS) and any of the manufacturer's aquatic toxicity information for each additive proposed for use.
9. Operations and Maintenance (O&M) Manual.
 - a. Within 180 days after the date of coverage under this general permit, the permittee shall develop or review and update, as appropriate, an Operations and Maintenance (O&M) Manual for the permitted facility. The O&M Manual shall include procedures and practices for the mitigation of pollutant discharges for the protection of state waters from the facility's

operations and to ensure compliance with the requirements of the permit. The manual shall address, at a minimum:

- (1) Operations and maintenance practices for the wastewater treatment process units and chemical and material storage areas;
- (2) Methods for estimating process wastewater flows;
- (3) Solids management and disposal procedures;
- (4) Temporary and long-term facility closure plans that shall include (i) treatment, removal, and final disposition of residual wastewater, contaminated storm water held at the facility, and solids; (ii) fate of structures; (iii) a removal plan for all exposed industrial materials; and (iv) description of the stabilization of land in which they were stored or placed;
- (5) Testing requirements and procedures;
- (6) Recordkeeping and reporting requirements; and
- (7) Duties and roles of responsible officials.

b. The permittee shall operate the treatment works in accordance with the O&M manual. The O&M manual shall be reviewed and updated at least annually and shall be signed and certified in accordance with Part III K of this permit. The O&M manual shall be made available for review by department personnel upon request.

10. If the concrete products facility discharges through a municipal separate storm sewer system to surface waters, the permittee shall, within 30 days of coverage under this general permit, notify the owner of the municipal separate storm sewer system of the existence of the discharge and provide the following information: the name of the facility, a contact person and phone number, the nature of the discharge, the location of the discharge, and the facility's VPDES general permit number. A copy of such notification shall be provided to the department.

11. The permittee shall ensure that all basins and lagoons maintain a minimum freeboard of one foot at all times except during a 72-hour transition period after a measurable rainfall event. During the 72-hour transition period, no discharge from the basins and lagoons shall occur unless it is in accordance with this permit. Within 72 hours after a measurable rainfall event, the freeboard in all basins and lagoons shall be returned to the minimum freeboard of one foot. Where basins are operated in a series mode of operation, the one-foot freeboard requirement for the upper basins may be waived provided the final basin will maintain the freeboard requirements of this special condition. Should the one-foot freeboard not be maintained, the permittee shall immediately notify the DEQ Regional Office, describe the problem and corrective measures taken to correct the problem. Within five days of notification, the permittee shall submit a written statement to the DEQ Regional Office with an explanation of the problem and corrective measures taken. In order to demonstrate compliance with this special condition, the permittee shall conduct daily inspections while the facility is in operation and maintain an inspection log. The inspection log shall include at least the date and time of inspection, the weather data including the occurrence of a measurable rainfall event, the printed name and the handwritten signature of the inspector, the freeboard measurement in inches, a notation of observation made, and any corrective measures, if appropriate, taken. The log shall be kept onsite and be made available to the department upon request.

12. For treatment systems which operate only in a "no discharge" mode, there shall be no discharge of pollutants to surface waters from these systems except in the case of a storm event which is greater than a 25 year-24 hour storm event. The operation of these systems shall not

contravene the Water Quality Standards (9VAC25-260), as adopted and amended by the board, or any provision of the State Water Control Law.

13. The permittee shall notify the department as soon as he knows or has reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in this permit if that discharge will exceed the highest of the following notification levels:

(1) One hundred micrograms per liter (100 µg/l);

(2) Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

(3) Five times the maximum concentration value reported for that pollutant in the permit application; or

(4) The level established by the board in accordance with 9VAC25-31-220 F.

b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in this permit if that discharge will exceed the highest of the following notification levels:

(1) Five hundred micrograms per liter (500 µg/l);

(2) One milligram per liter (1 mg/l) for antimony;

(3) Ten times the maximum concentration value reported for that pollutant in the permit application; or

(4) The level established by the board in accordance with 9VAC25-31-220 F.

14. All settling basins used for treatment and control of process wastewater or process wastewater commingled with storm water that were constructed on or after February 2, 1998, shall be lined with concrete or any other impermeable materials. Regardless of date of construction, all settling basins used for treatment and control of process wastewater or process wastewater commingled with storm water that are expanded or dewatered for major structural repairs shall be lined with concrete or any other impermeable materials.

15. Settled wastewater may be used on site for the purposes of dust suppression or for spraying stockpiles. These activities shall be carried out as a best management practice but not a wastewater disposal method. There shall be no direct discharge to surface waters from dust suppression or as a result of spraying stockpiles.

16. Compliance reporting under Part I A.

a. The quantification levels (QL) shall be as follows:

Effluent Characteristic	Quantification Level
TSS	1.0 mg/l
TPH	5.0 mg/l
Chlorine	0.10 mg/l
Ammonia-N	0.20 mg/l

b. Reporting.

(1) Monthly Average. Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I A shall be determined as follows: All concentration data below the QL listed in subdivision 16 a of this subsection shall be treated as zero. All concentration data equal to or above the QL listed shall be treated as it is reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, for the month. This arithmetic average shall be reported on the DMR as calculated. If all data are below the QL then the average shall be reported as "<QL." If reporting for quantity is required on the DMR and the calculated concentration is <QL then report "<QL" for the quantity, otherwise use the calculated concentration.

(2) Daily Maximum. Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I A shall be determined as follows: All concentration data below the QL listed in subdivision 16 a of this subsection shall be treated as zero. All concentration data equal to or above the QL shall be treated as reported. An arithmetic average of the values shall be calculated using all reported data, including the defined zeros, collected for each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL then the average shall be reported as "<QL." If reporting for quantity is required on the DMR and the calculated concentration is <QL then report "<QL" for the quantity, otherwise use the calculated concentration.

(3) Any single datum required shall be reported as "<QL" if it less than the QL listed in subdivision 16 a of this subsection. Otherwise the numerical value shall be reported.

(4) The permittee shall report at least two significant digits for a given parameter. Regardless of the rounding convention used (i.e. five always rounding up or to the nearest even number) by the permittee, the permittee shall use the convention consistently and shall ensure that consulting laboratories employed by the permittee use the same convention.

17. Discharges to waters with an approved total maximum daily load (TMDL). Owners of facilities that are a source of the specified pollutant of concern to waters where an approved TMDL has been established shall implement measures and controls that are consistent with the assumptions and requirements of the TMDL.

18. Adding or deleting outfalls. The permittee may add new or delete existing outfalls at the facility as necessary and appropriate. The permittee shall update the O&M manual and storm water pollution prevention plan (SWPPP) and notify the department of all outfall changes within 30 days of the change. New outfalls require a new or updated registration statement including an updated SWPPP site map.

19. Notice of termination.

a. The owner may terminate coverage under this general permit by filing a complete notice of termination. The notice of termination may be filed after one or more of the following conditions have been met:

(1) Operations have ceased at the facility and there are no longer discharges of process wastewater, noncontact cooling water, or storm water associated with the industrial activity;

(2) A new owner has assumed responsibility for the facility (NOTE: A notice of termination does not have to be submitted if a VPDES Change of Ownership Agreement form has been submitted);

(3) All discharges associated with this facility have been covered by an individual VPDES permit or an alternative VPDES permit; or

(4) Termination of coverage is being requested for another reason, provided the board agrees that coverage under this general permit is no longer needed.

b. The notice of termination shall contain the following information:

(1) Owner's name, mailing address, telephone number, and email address (if available);

(2) Facility name and location;

(3) VPDES general permit registration number for the facility; and

(4) The basis for submitting the notice of termination, including:

(a) A statement indicating that a new owner has assumed responsibility for the facility;

(b) A statement indicating that operations have ceased at the facility, a closure plan has been implemented according to the O&M manual, and there are no longer discharges from the facility;

(c) A statement indicating that all discharges have been covered by an individual VPDES permit; or

(d) A statement indicating that termination of coverage is being requested for another reason (state the reason).

c. The following certification: "I certify under penalty of law that all concrete products waste water and storm water discharges from the identified facility that are authorized by this VPDES general permit have been eliminated, or covered under a VPDES individual or alternative permit, or that I am no longer the owner of the facility, or permit coverage should be terminated for another reason listed above. I understand that by submitting this notice of termination, that I am no longer authorized to discharge concrete products waste water or storm water in accordance with the general permit, and that discharging pollutants to surface waters is unlawful where the discharge is not authorized by a VPDES permit. I also understand that the submittal of this notice of termination does not release an owner from liability for any violations of this permit or the Clean Water Act."

d. The notice of termination shall be submitted to the department and signed in accordance with Part III K.

20. Temporary closure at inactive and unstaffed sites waiver.

a. When the permittee is unable to conduct effluent monitoring, benchmark monitoring, or storm water management requirements at an inactive and unstaffed site, a waiver of these requirements may be exercised by the board as long as the facility remains inactive and unstaffed and there are no industrial materials or activities exposed to storm water. The waiver request shall be submitted to the board for approval and shall include the information in the temporary closure plan specified in Part I B 9 a (4). If this waiver is granted, the permittee must retain a copy of the request and the board's written approval of the waiver in accordance with Part III B.

b. To reactivate the site the permittee must notify the department 30 days prior to reopening the facility and commencing any point source discharges of either treated process wastewater or storm water runoff associated with industrial activities. Upon this notification all effluent monitoring, benchmark monitoring, or storm water management requirements of this permit shall be required. This notification must be submitted to the department, signed in

accordance with Part III K, and retained on site at the facility covered by this permit in accordance with Part III B.

21. The discharges authorized by this permit shall be controlled as necessary to meet applicable water quality standards.

22. Approval for coverage under this general permit does not relieve any owner of the responsibility to comply with any other applicable federal, state, or local statute, ordinance, or regulation.

Part II
Storm Water Management.

A. Monitoring instructions.

1. Collection and analysis of samples. Sampling requirements shall be assessed on an outfall by outfall basis. Samples shall be collected and analyzed in accordance with the requirements of Part III A.
2. When and how to sample. A minimum of one grab sample shall be taken resulting from a storm event that results in an actual discharge from the site (defined as a "measurable storm event"), providing the interval from the preceding measurable storm event is at least 72 hours. The 72-hour storm interval is waived if the permittee is able to document with the discharge monitoring report (DMR) that less than a 72-hour interval is representative for local storm events during the sampling period. The grab sample shall be taken during the first 30 minutes of the discharge. If it is not practicable to take the sample during the first 30 minutes, the sample may be taken during the first hour of discharge provided that the permittee explains with the DMR why a grab sample during the first 30 minutes was impractical.
3. Recording of results. For each discharge measurement or sample taken pursuant to the storm event monitoring requirements of this permit, the permittee shall record and report with the Discharge Monitoring Reports (DMRs) the following information:
 - a. Date and duration (in hours) of the storm event(s) sampled;
 - b. Rainfall measurements or estimates (in inches) of the storm event which generated the sampled discharge; and
 - c. Duration between the storm event sampled and the end of the previous measurable storm event.

B. Representative discharge. If a facility has two or more exclusively storm water outfalls that discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and storm water management practices occurring within the drainage areas of the outfalls, the permittee may monitor the effluent of just one of the outfalls. Representative outfalls must be identified in the registration statement submitted for coverage under this permit. Substantially identical outfalls can apply to quarterly visual and benchmark monitoring. The permittee must include the following information in the storm water pollution prevention plan (SWPPP):

1. The locations of the outfalls;
2. Why the outfalls are expected to discharge substantially identical effluents;
3. Estimates of the size of the drainage area (in square feet) for each of the outfalls; and
4. An estimate of the runoff coefficient of the drainage areas (low: under 40%; medium: 40% to 65%; high: above 65%).

C. Sampling waivers.

1. When a permittee is unable to conduct benchmark monitoring or visual examinations within the specified sampling period due to no "measurable" storm event or adverse weather conditions, the permittee shall collect a substitute sample from the next separate qualifying event and submit these data along with documentation explaining a facility's inability to conduct benchmark monitoring or visual examinations (including dates and

times the outfalls were viewed and sampling was attempted) of no "measurable" storm event or of adverse weather conditions with the DMR to the DEQ. Adverse weather conditions which may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.). Acceptable documentation includes, but is not limited to National Climatic Data Center weather station data, local weather station data, facility rainfall logs, and other appropriate supporting data. All documentation shall also be maintained with the SWPPP.

2. Sampling waiver for inactive and unstaffed sites. See Part I B 20.

D. Quarterly visual examination of storm water quality. The permittee shall perform and document a visual examination of a storm water discharge associated with industrial activity from each outfall, except discharges waived in subdivision D 1 and subsection C of this section. The visual examination(s) must be made during daylight hours (e.g., normal working hours), at least once in each of the following three-month periods: January through March, April through June, July through September, and October through December.

1. Examinations shall be made of samples collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. The examination shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. The examination must be conducted in a well lit area. No analytical tests are required to be performed on the samples. All such samples shall be collected from the discharge resulting from a storm event that results in an actual discharge from the site (defined as a "measurable storm event") providing the interval from the preceding measurable storm event is at least 72 hours. The required 72-hour storm event interval is waived where the preceding measurable storm event did not result in a measurable discharge from the facility. The 72-hour storm event interval may also be waived where the permittee documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. If no qualifying storm event resulted in discharge from the facility during a monitoring period, visual monitoring is exempted provided that the permittee documents that no qualifying storm event occurred that resulted in a storm water discharge during that quarter. Where practicable, the same individual should carry out the collection and examination of discharges for the entire permit term.

2. Visual examination reports must be maintained onsite with the SWPPP. The report shall include the outfall location, the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the storm water discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), visual quality of the receiving stream (including observations of solids deposition and oil sheen from the industrial activity) in the vicinity of the outfall (including ditches and conveyances) and probable sources of any observed storm water contamination.

E. Allowable nonstorm water discharges.

1. The following nonstorm water discharges are authorized by this permit provided the nonstorm water component of the discharge is in compliance with Part II E 2 below.

a. Discharges from fire fighting activities;

- b. Fire hydrant flushings;
 - c. Potable water including water line flushings;
 - d. Uncontaminated air conditioning or compressor condensate;
 - e. Irrigation drainage;
 - f. Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions;
 - g. Pavement wash waters where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled material has been removed);
 - h. Routine external building wash down which does not use detergents;
 - i. Uncontaminated ground water or spring water;
 - j. Foundation or footing drains where flows are not contaminated with process materials ; and
 - k. Incidental windblown mist from cooling towers that collects on rooftops or adjacent portions of the facility, but NOT intentional discharges from the cooling tower (e.g., "piped" cooling tower blowdown or drains).
2. Except for flows from fire fighting activities, the SWPPP must include:
- a. Identification of each allowable nonstorm water source;
 - b. The location where it is likely to be discharged; and
 - c. Descriptions of appropriate best management practices (BMPs) for each source.
3. If mist blown from cooling towers is included as one of the allowable nonstorm water discharges, the permittee shall specifically evaluate the discharge for the presence of chemicals used in the cooling tower. This evaluation shall be included in the SWPPP.

F. Releases of hazardous substances or oil in excess of reportable quantities. The discharge of hazardous substances or oil in the storm water discharge(s) from this facility shall be prevented or minimized in accordance with the SWPPP for the facility. This permit does not authorize the discharge of hazardous substances or oil resulting from an onsite spill. This permit does not relieve the permittee of the reporting requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 or § 62.1-44.34:19 of the Code of Virginia.

Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period;

- 1. The permittee is required to notify the department in accordance with the requirements of Part III G as soon as he has knowledge of the discharge;
- 2. Where a release enters a municipal separate storm sewer system (MS4), the permittee shall also notify the owner of the MS4; and
- 3. The SWPPP required by this permit shall be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

G. Storm water pollution prevention plans (SWPPP). A SWPPP shall be developed and implemented for the facility. The plan shall include BMPs that are reasonable, economically practicable, and appropriate in light of current industry practices. The BMPs shall be selected, designed, installed, implemented, and maintained in accordance with good engineering practices

to eliminate or reduce the pollutants in all storm water discharges from the facility. The SWPPP shall also include any control measures necessary for the storm water discharges to meet applicable water quality standards.

The SWPPP requirements of this general permit may be fulfilled, in part, by incorporating by reference other plans or documents such as an erosion and sediment control plan, a spill prevention control and countermeasure (SPCC) plan developed for the facility under § 311 of the Clean Water Act or BMP programs otherwise required for the facility provided that the incorporated plan meets or exceeds the plan requirements of Part II G 6 (Contents of Plan). All plans incorporated by reference into the SWPPP become enforceable under this permit. If a plan incorporated by reference does not contain all the requirements of Part II G 6, the permittee shall develop the missing SWPPP elements and include them in the required plan.

1. Deadlines for plan preparation and compliance.

- a. Owners of facilities that were covered under the 2008 Concrete Products General Permit who are continuing coverage under this general permit shall update and implement any revisions to the SWPPP not later than January 1, 2014.
- b. Owners of new facilities, facilities previously covered by an expiring individual permit, and existing facilities not currently covered by a VPDES permit who elect to be covered under this general permit shall prepare and implement the SWPPP prior to commencing operations.
- c. Where the owner of an existing facility that is covered by this permit changes, the new owner of the facility shall update and implement any revisions to the SWPPP within 60 days of the ownership change.
- d. Upon a showing of good cause, the director may establish a later date in writing for the preparation and compliance with the SWPPP.

2. Signature and plan review.

- a. The SWPPP shall be signed in accordance with Part III K, and be retained on-site at the facility covered by this permit in accordance with Part III B.
- b. The permittee shall make the SWPPP, annual site compliance inspection report, or other information available to the department upon request.
- c. The director, or his designee, may notify the permittee in writing at any time that the SWPPP, BMPs, or other components of the facility's storm water program do not meet one or more of the requirements of this part. Such notification shall identify specific provisions of the permit that are not being met and may include required modifications to the storm water program, additional monitoring requirements, and special reporting requirements. Within 60 days of such notification from the director, or as otherwise provided by the director, the permittee shall make the required changes to the plan and shall submit to the department a written certification that the requested changes have been made.

3. Maintaining an updated SWPPP. The permittee shall review and amend the SWPPP as appropriate whenever:

- a. There is construction or a change in design, operation, or maintenance that has a significant effect on the discharge or the potential for the discharge of pollutants to surface waters;

- b. Routine inspections or compliance evaluations determine that there are deficiencies in the BMPs;
 - c. Inspections by local, state, or federal officials determine that modifications to the SWPPP are necessary;
 - d. There is a spill, leak, or other release at the facility; or
 - e. There is an unauthorized discharge from the facility.
4. SWPPP modifications shall be made within 30 calendar days after discovery, observation, or event requiring a SWPPP modification. Implementation of new or modified BMPs (distinct from regular preventive maintenance of existing BMPs described in Part II G 7) shall be initiated before the next storm event if possible, but no later than 60 days after discovery, or as otherwise provided or approved by the director. The amount of time taken to modify a BMP or implement additional BMPs shall be documented in the SWPPP.
5. If the SWPPP modification is based on a release or unauthorized discharge, include a description and date of the release, the circumstances leading to the release, actions taken in response to the release, and measures to prevent the recurrence of such releases. Unauthorized releases and discharges are subject to the reporting requirements of Part III G of this permit.
6. Contents of plan. The plan shall include, at a minimum, the following items:
 - a. Pollution prevention team. Each plan shall identify the staff individuals by name or title that comprise the facility's storm water pollution prevention team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining, revising, and ensuring compliance with the facility's SWPPP. Specific responsibilities of each staff individual on the team shall be identified and listed.
 - b. Summary of potential pollutant sources. The plan shall identify where industrial materials or activities at the facility are exposed to storm water. Industrial materials or activities include, but are not limited to: material handling equipment or activities, industrial machinery, raw materials, industrial production and processes, intermediate products, byproducts, final products, and waste products. Material handling activities include, but are not limited to: the storage, loading and unloading, transportation, disposal, or conveyance of any raw material, intermediate product, final product, or waste product. The description shall include:
 - (1) A list of the activities (e.g., material storage, equipment fueling and cleaning, cutting steel beams); and
 - (2) A list of the associated pollutant(s) or pollutant constituents (e.g., crankcase oil, zinc, sulfuric acid, cleaning solvents, etc.) for each activity. The pollutant list shall include all significant materials handled, treated, stored or disposed that have been exposed to storm water in the three years prior to the date this SWPPP was prepared or amended. This list shall include any hazardous substances or oil at the facility.
 - c. Site map. The site map shall document:
 - (1) An outline of the drainage area of each storm water outfall that are within the facility boundaries;

- (2) Each existing structural control measure to reduce pollutants in storm water runoff;
- (3) Surface water bodies;
- (4) Locations where materials are exposed to precipitation;
- (5) Locations where major spills or leaks identified under Part II G 6 d have occurred;
- (6) Locations of fueling stations, vehicle or equipment degreasing activities, maintenance areas, loading or unloading areas, vehicle wash down areas, vehicle wash out areas, bag house or other dust control device, recycle ponds, sedimentation ponds, or clarifiers or other devices used for the treatment of process wastewater (and the areas that drain to the treatment device);
- (7) Locations used for the storage or disposal of wastes; liquid storage tanks; processing areas; and storage areas;
- (8) Outfall locations, designation (e.g., 001) and the types of discharges contained in the drainage areas of the outfalls;
- (9) For each area of the facility that generates storm water discharges associated with industrial activity with a potential for containing significant amounts of pollutants, locations of storm water conveyances including ditches, pipes, swales, and inlets, and the directions of storm water flow and an identification of the types of pollutants which are likely to be present in storm water discharges associated with industrial activity. Factors to consider include the toxicity of the chemicals; quantity of chemicals used, produced or discharged; the likelihood of contact with storm water; and history of leaks or spills of toxic or hazardous pollutants; and
- (10) Flows with a potential for causing erosion shall be identified.

d. Spills and leaks. A list of significant spills and leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a storm water conveyance at the facility after the date of three years prior to the date of coverage under this general permit. Such list shall be updated as appropriate during the term of the permit.

e. Sampling data. The plan shall include a summary of existing storm water discharge sampling data taken at the facility. The summary shall include, at a minimum, any data collected during the previous three years.

f. Storm water controls.

(1) BMPs shall be implemented for all areas identified in Part II G 6 b to prevent or control pollutants in storm water discharges from the facility. All reasonable steps shall be taken to control or address the quality of discharges from the site that may not originate at the facility. The SWPPP shall describe the type, location, and implementation of all BMPs for each area where industrial materials or activities are exposed to storm water.

(2) Good housekeeping. Good housekeeping requires the clean and orderly maintenance of areas that may contribute pollutants to storm waters discharges. The permittee shall keep clean all exposed areas of the facility that are potential sources of pollutants in storm water. Particular attention should be paid to areas where raw materials are stockpiled, material handling areas, storage areas, liquid storage tanks, vehicle fueling and maintenance areas, and loading/unloading areas. The plan shall

describe procedures performed to minimize the discharge of: spilled cement, aggregate (including sand and gravel), kiln dust, fly ash, settled dust, or other significant material in storm water from paved portions of the site that are exposed to storm water. Regular sweeping of impervious areas or other equivalent measures to minimize the presence of these materials shall be employed. The frequency of sweeping or equivalent measures shall be specified in the plan based upon a consideration of the amount of industrial activity occurring in the areas and the frequency of precipitation, but it shall be a minimum of once a week if cement, aggregate, kiln dust, fly ash or settled dust are being handled/processed. Efforts must be made to prevent the exposure of fine granular solids (cement, fly ash, etc.) to storm water by storing these materials in enclosed silos/hoppers, buildings or under other covering. The introduction of raw, final, or waste materials to exposed areas of the facility shall be minimized to the maximum extent practicable. The generation of dust, along with off-site vehicle tracking of raw, final or waste materials, or sediments, shall be minimized to the maximum extent practicable.

(3) Preventive maintenance. A preventive maintenance program shall involve regular inspection, testing, maintenance, and repairing of all industrial equipment and systems to avoid breakdowns or failures that could result in leaks, spills and other releases. This program is in addition to the specific BMP maintenance required under Part II G 7 (Maintenance of BMPs).

(4) Spill prevention and response procedures. The plan shall describe the procedures that will be followed for preventing and responding to spills and leaks.

(a) Preventive measures include barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling.

(b) Response procedures shall include (i) notification of appropriate facility personnel, emergency agencies, and regulatory agencies and (ii) procedures for stopping, containing, and cleaning up spills. Measures for cleaning up hazardous material spills or leaks shall be consistent with applicable RCRA regulations at 40 CFR Part 264 and 40 CFR Part 265. Employees who may cause, detect, or respond to a spill or leak shall be trained in these procedures and have necessary spill response equipment available. If possible, one of these individuals shall be a member of the pollution prevention team.

(c) Contact information for individuals and agencies that must be notified in the event of a spill shall be included in the SWPPP and in other locations where it will be readily available.

(5) Routine facility inspections. Facility personnel who possess the knowledge and skills to assess conditions and activities that could impact storm water quality at the facility and who can also evaluate the effectiveness of BMPs shall regularly inspect designated equipment and areas of the facility. Inspections shall be conducted while the facility is in operation and include, but are not limited to, the following areas exposed to storm water: material handling areas, above ground storage tanks, hoppers or silos, dust collection/containment systems, and truck wash down/equipment cleaning areas. The inspection frequency shall be specified in the plan based on a consideration of the level of industrial activity at the facility, but it shall be a minimum of quarterly unless more frequent intervals are specified elsewhere in the

permit. When practical, the routine facility inspection should be conducted once each calendar year during a period when a storm water discharge is occurring. A set of tracking or followup procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained with the pollution prevention plan. These inspections are in addition to, or as part of, the comprehensive site compliance evaluation required under Part II G 8. At least one member of the pollution prevention team shall participate in the routine facility inspections.

Any deficiencies in the implementation of the SWPPP that are found shall be corrected as soon as practicable, but not later than within 30 days of the inspection, unless permission for a later date is granted in writing by the director. The results of the inspections shall be documented in the SWPPP, along with the date(s) and description(s) of any corrective actions that were taken in response to any deficiencies or opportunities for improvement that were identified.

(6) Employee training. The permittee shall implement a storm water employee training program for the facility. The SWPPP shall include a schedule for all types of necessary training, and shall document all training sessions and the employees who received the training. Training shall be provided for all employees who work in areas where industrial materials or activities are exposed to storm water and for employees who are responsible for implementing activities identified in the SWPPP (e.g., inspectors, maintenance personnel, etc.). The training shall cover the components and goals of the SWPPP and include such topics as spill response, good housekeeping, material management practices, BMP operation and maintenance, etc. The SWPPP shall include a summary of any training performed.

(7) Sediment and erosion control. The plan shall identify areas that, due to topography, land disturbance (e.g., construction, landscaping, sit grading), or other factors, have a potential for soil erosion. The permittee shall identify and implement structural, vegetative, and/or stabilization BMPs to prevent or control on-site and off-site erosion and sedimentation.

(8) Management of runoff. The plan shall describe the storm water run-off management practices (i.e., permanent structural BMPs) for the facility. These types of BMPs are typically used to divert, infiltrate, reuse, or otherwise reduce pollutants in storm water discharges from the site. Appropriate measures may include: vegetative swales and practices, reuse of collected storm water (such as for a process or as an irrigation source), inlet controls (such as oil/water separators), snow management activities, infiltration devices, wet detention/retention devices; or other equivalent measures. Some structural BMPs may require a separate permit under § 404 of the Clean Water Act and the Virginia Water Protection Permit Program Regulation (9VAC25-210) before installation begins.

7. Maintenance of BMPs. All BMPs identified in the SWPPP shall be maintained in effective operating condition. Storm water BMPs identified in the SWPPP should be observed during active operation where feasible (i.e., during a storm water runoff event) to ensure that they are functioning correctly. Where discharge locations are inaccessible, nearby downstream locations shall be observed. The observations shall be documented in the SWPPP.

The SWPPP shall include a description of procedures and a regular schedule for preventive maintenance of all BMPs and shall include a description of the back-up practices that are in place should a runoff event occur while a BMP is off line. The effectiveness of nonstructural BMPs shall also be maintained by appropriate means (e.g., spill response supplies available and personnel trained, etc.).

If site inspections required by Part II G 6 f (5) (Routine facility inspections) or Part II G 8 (Comprehensive site compliance evaluation) identify BMPs that are not operating effectively, repairs or maintenance shall be performed before the next anticipated storm event. If maintenance prior to the next anticipated storm event is not possible, maintenance shall be scheduled and accomplished as soon as practicable. In the interim, back-up measures shall be employed and documented in the SWPPP until repairs or maintenance is complete. Documentation shall be kept with the SWPPP of maintenance and repairs of BMPs, including the date(s) of regular maintenance, date(s) of discovery of areas in need of repair or replacement, and for repairs, date(s) that the BMP(s) returned to full function, and the justification for any extended maintenance or repair schedules.

8. Comprehensive site compliance evaluation. The permittee shall conduct comprehensive site compliance evaluations at least once a year. The evaluations shall be done by qualified personnel who possess the knowledge and skills to assess conditions and activities that could impact storm water quality at the facility and who can also evaluate the effectiveness of BMPs. The personnel conducting the evaluations may be either facility employees or outside constituents hired by the facility. Such evaluations shall include the following:

- a. Industrial materials, residue or trash that may have or could come into contact with storm water;
- b. Leaks or spills from industrial equipment, drums, barrels, tanks, or other containers that have occurred within the past three years;
- c. Off-site tracking of industrial or waste materials or sediment where vehicles enter or exit the site;
- d. Evidence of or the potential for pollutants entering the drainage system;
- e. Evidence of pollutants discharging to surface waters at all facility outfalls and the condition of and around the outfall, including flow dissipation measures to prevent scouring;
- f. Review of training performed, inspections completed, maintenance performed, quarterly visual examinations, and effective operation of BMPs;
- g. Documentation that all outfalls have been evaluated annually for the presence of unauthorized discharges (i.e., discharges other than storm water; the authorized nonstorm water discharges described in Part II E; or discharges covered under a separate VPDES permit, other than this permit). The documentation shall include:
 - (1) The date of the evaluation;
 - (2) A description of the evaluation criteria used;
 - (3) A list of the outfalls or on-site drainage points that were directly observed during the evaluation;
 - (4) A description of the results of the evaluation for the presence of unauthorized discharges; and

(5) The actions taken to eliminate unauthorized discharges, if any were identified (i.e., a floor drain was sealed, a sink drain was rerouted to sanitary, or a VPDES permit application was submitted for a cooling water discharge);

h. Results of both visual and any analytical monitoring done during the past year shall be taken into consideration during the evaluation;

i. Based on the results of the evaluation, the SWPPP shall be modified as necessary (e.g., show additional controls on the site map required by Part II G 6 c; revise the description of storm water controls required by Part II G 6 f to include additional or modified BMPs designed to correct problems identified). Revisions to the SWPPP shall be completed within 30 days following the evaluation, unless permission for a later date is granted in writing by the director. If existing BMPs need to be modified or if additional BMPs are necessary, implementation shall be completed before the next anticipated storm event, if practicable, but not more than 60 days after completion of the comprehensive site evaluation, unless permission for a later date is granted in writing by the department;

j. Compliance evaluation report. A report shall be written summarizing the scope of the evaluation, names(s) of personnel making the evaluation, the date of the evaluation, and all observations relating to the implementation of the SWPPP, including elements stipulated in Part II G 8 a through e above. Observations shall include such things as: the location(s) of discharges of pollutants from the site; locations(s) of previously unidentified sources of pollutants; location(s) of BMPs that need to be maintained or repaired; locations(s) of failed BMPs that need replacement; and location(s) where additional BMPs are needed. The report shall identify any incidents of noncompliance that were observed. Where a report does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the SWPPP and this permit. The report shall be signed in accordance with Part III K and maintained with the SWPPP; and

k. Where compliance evaluation schedules overlap with routine inspections required under Part II G 6 f (5), the annual compliance evaluation may be used as one of the routine inspections.

Part III
Conditions Applicable To All VPDES Permits.

A. Monitoring.

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
2. Monitoring shall be conducted according to procedures approved under 40 CFR Part 136 or alternative methods approved by the U.S. Environmental Protection Agency unless other procedures have been specified in this permit.
3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will ensure accuracy of measurements.
4. Samples taken as required by this permit shall be analyzed in accordance with 1VAC30-45 (Certification for Noncommercial Environmental Laboratories) or 1VAC30-46 (Accreditation for Commercial Environmental Laboratories).

B. Records.

1. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individuals who performed the sampling or measurements;
 - c. The dates and times analyses were performed;
 - d. The individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain (i) records of all monitoring information including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, (ii) copies of all reports required by this permit, and (iii) records of all data used to complete the registration statement for this permit for a period of at least three years from the date that coverage under this permit expires or is terminated. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the board.

C. Reporting monitoring results.

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to the department's regional office.
2. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) or on forms provided, approved or specified by the department.
3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under 40 CFR Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall

be included in the calculation and reporting of the data submitted in the DMR or reporting form specified by the department.

4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to provide information. The permittee shall furnish to the department, within a reasonable time, any information which the board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating coverage under this permit or to determine compliance with this permit. The board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from its discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the department upon request copies of records required to be kept by this permit.

E. Compliance schedule reports. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized discharges. Except in compliance with this permit, or another permit issued by the board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
2. Otherwise alter the physical, chemical or biological properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, for recreation, or for other uses.

G. Reports of unauthorized discharges. Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part III F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part III F, shall notify the department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the department, within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of unusual or extraordinary discharges. If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the department within five days of discovery of the discharge in accordance with Part III I 2. Unusual and extraordinary discharges include but are not limited to any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

I. Reports of noncompliance. The permittee shall report any noncompliance which may adversely affect state waters or may endanger public health.

1. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under this subdivision:

- a. Any unanticipated bypass; and
- b. Any upset which causes a discharge to surface waters.

2. A written report shall be submitted within five days and shall contain:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
- c. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The board may waive the written report on a case-by-case basis for reports of noncompliance under Part III I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

3. The permittee shall report all instances of noncompliance not reported under Parts III I 1 or 2, in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part III I 2.

NOTE: The immediate (within 24 hours) reports required in Parts III G, H and I may be made to the department's regional office by telephone, FAX, or online at <http://www.deq.virginia.gov/Programs/PollutionResponsePreparedness/MakingaReport.aspx>. For reports outside normal working hours, leave a message and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Services maintains a 24 hour telephone service at 1-800-468-8892.

J. Notice of planned changes.

1. The permittee shall give notice to the department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

- a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:
 - (1) After promulgation of standards of performance under § 306 of Clean Water Act which are applicable to such source; or
 - (2) After proposal of standards of performance in accordance with § 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with § 306 within 120 days of their proposal;
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
 - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
2. The permittee shall give advance notice to the department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- K. Signatory requirements.
1. Registration statements. All registration statements shall be signed as follows:
 - a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means (i) president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation or (ii) the manager of one or more manufacturing, production, or operating facilities provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes (i) the chief executive officer of the agency or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. Reports, etc. All reports required by permits, and other information requested by the board shall be signed by a person described in Part III K 1, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- a. The authorization is made in writing by a person described in Part III K 1;
- b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
- c. The written authorization is submitted to the department.

3. Changes to authorization. If an authorization under Part III K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part III K 2 shall be submitted to the department prior to or together with any reports, or information to be signed by an authorized representative.

4. Certification. Any person signing a document under Parts III K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to comply. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

The permittee shall comply with effluent standards or prohibitions established under § 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under § 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this permit has not yet been modified to incorporate the requirement.

M. Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. All permittees with a currently effective permit shall submit a new application at least 90 days before the expiration date of the existing permit, unless permission for a later date has been granted by the board. The board shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

N. Effect of a permit. This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State law. Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by § 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part III U), and "upset" (Part III V) nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and hazardous substance liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under §§ 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of solids or sludges. Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

S. Duty to mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass.

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Parts III U 2 and U 3.

2. Notice.

- a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least 10 days before the date of the bypass.

- b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part III I.

3. Prohibition of bypass.

a. Bypass is prohibited, and the board may take enforcement action against a permittee for bypass, unless:

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

(3) The permittee submitted notices as required under Part III U 2.

b. The board may approve an anticipated bypass, after considering its adverse effects, if the board determines that it will meet the three conditions listed above in Part III U 3 a.

V. Upset.

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part III V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.

2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An upset occurred and that the permittee can identify the causes of the upset;

b. The permitted facility was at the time being properly operated;

c. The permittee submitted notice of the upset as required in Part III I; and

d. The permittee complied with any remedial measures required under Part III S.

3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and entry. The permittee shall allow the director, or his designee, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. Permit actions. Permits may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of permits.

Permits are not transferable to any person except after notice to the department.

This permit may be automatically transferred to a new permittee if:

1. The current permittee notifies the department at least 30 days in advance of the proposed transfer of the title to the facility or property unless permission for a later date has been granted by the board;
2. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
3. The board does not notify the existing permittee and the proposed new permittee of its intent to deny the new permittee coverage under the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part III Y 2.

Z. Severability. The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

DOCUMENTS INCORPORATED BY REFERENCE (9VAC25-193)

Standard Industrial Classification Manual, 1987, Office of Management and Budget.

Standard Methods for the Examination of Water and Wastewater, 18th, 19th, 20th and 21st Editions, 1992, 1995, 1998 and 2005, American Public Health Association.

[Method 8015B, Nonhalogenated Organics Using GC/FID, Revision 2, December 1996, U.S. Government Printing Office.](#)

[Method 8015C, Nonhalogenated Organics Using GC/FID, Revision 3, November 2000, U.S. Government Printing Office.](#)

[Method 8015C, Nonhalogenated Organics Using GC/FID, Revision 3, February 2007, U.S. Government Printing Office.](#)

[Method 8015D, Nonhalogenated Organics Using GC/FID, Revision 4, June 2003, U.S. Government Printing Office.](#)